

NOV 30 2007

KBR:kbr 11/30/07 3382-66128-01 809589 305652.01

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Attorney Docket Number	3382-66128-01
Application Number	10/622,284
Filing Date	July 18, 2003
First Named Inventor	Hsu
Art Unit	2624
Examiner Name	Jayesh A. Patel

## **U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	12/14/2007
------------------------	----------------	---------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement (1449) Page 1 of 1

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Attorney Docket Number</b> 3382-66128-01 <b>Application Number</b> 10/622,284 <b>Filing Date</b> July 18, 2003 <b>First Named Inventor</b> Hsu <b>Art Unit</b> 2624 <b>Examiner Name</b> Jayesh A. Patel
----------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


**U.S. PATENT DOCUMENTS**

Copyright © 2007. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Pattee
/JP/		4,454,546	12-Jun-84	Mori
/JP/		4,691,329	1-Sep-87	Juri et al.
/JP/		4,796,087	3-Jan-89	Guichard et al.
/JP/		4,800,432	24-Jan-89	Barnett et al.
/JP/		4,849,812	18-Jul-89	Borgers et al.
/JP/		5,021,879	4-Jun-91	Vogel
/JP/		5,068,724	26-Nov-91	Krause et al.
/JP/		5,091,782	25-Feb-92	Krause et al.
/JP/		5,157,490	20-Oct-92	Kawai et al.
/JP/		5,258,836	2-Nov-93	Murata
/JP/		5,422,676	6-Jun-95	Herpel et al.
/JP/		5,448,297	5-Sep-95	Alattar et al.
/JP/		5,461,421	24-Oct-95	Moon
/JP/		5,467,086	14-Nov-95	Jeong
/JP/		5,510,840	23-Apr-96	Yonemitsu et al.
/JP/		5,539,466	23-Jul-96	Igarashi et al.
/JP/		5,544,286	6-Aug-96	Laney

<b>EXAMINER SIGNATURE:</b>	<i>/Jayesh Patel/</i>	<b>DATE CONSIDERED:</b>	06/18/2007
--------------------------------	-----------------------	-----------------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	3382-66128-01
	Application Number	10/622,284
	Filing Date	July 18, 2003
	First Named Inventor	Hsu
	Art Unit	2624
	Examiner Name	Jayesh A. Patel

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Pattee
/JP/		5,552,832	3-Sep-96	Astle
/JP/		5,666,461	9-Sep-97	Igarashi et al.
/JP/		5,668,932	16-Sep-97	Laney
/JP/		5,673,370	30-Sep-97	Laney
/JP/		5,748,789	5-May-98	Lee et al.
/JP/		5,764,814	9-Jun-98	Chen et al.
/JP/		5,946,043	31-Aug-99	Lee et al.
/JP/		5,946,419	31-Aug-99	Chen et al.
/JP/		5,982,437	9-Nov-99	Okazaki et al.
/JP/		6,154,495	28-Nov-00	Yamaguchi et al.
/JP/		6,208,761	27-Mar-01	Passagio et al.
/JP/		6,259,810	10-Jul-01	Gill et al.
/JP/		6,275,531	14-Aug-01	Li
/JP/		6,292,585	18-Sep-01	Yamaguchi et al.
/JP/		6,304,928	16-Oct-01	Mairs et al.
/JP/		6,496,601	12/17/2002	Migdal et al.
/JP/		6,563,953	13-May-03	Lin et al.

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/18/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2624
		Examiner Name	Jayesh A. Patel

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		6,573,905	3-Jun-03	MacInnis et al.
/JP/		60/488,710	18-Jul-03	Srinivasan et al.
/JP/		20020168066	14-Nov-02	Li
/JP/		20030113026	19-Jun-03	Srinivasan et al.
/JP/		20040042549	4-Mar-04	Huang et al.
/JP/		20040136457	15-Jul-04	Funnell et al.
/JP/		20050053156	3/10/2005	Lin et al.

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/JP/		Europe	EP 0 279 053	24-Aug-88	ANT Nachrichtentechnik
/JP/		Europe	EP 0 830 029	18-Mar-98	Bosch
/JP/		Japan	JP 61205086 (abstract)	11-Sep-86	Mitsubishi Electric
/JP/		Japan	JP 3001688 (abstract)	8-Jan-91	Nippon Telegraph & Telephone
/JP/		Japan	JP 6078295 (abstract)	18-Mar-94	Mitsubishi Electric
/JP/		Japan	JP 7274171 (abstract)	20-Oct-95	Sharp

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/18/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	3382-66128-01
	Application Number	10/622,284
	Filing Date	July 18, 2003
	First Named Inventor	Hsu
	Art Unit	2624
	Examiner Name	Jayesh A. Patel

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/JP/		Japan	JP 6292188 (abstract)	18-Oct-04	Matsushita Electric
/JP/		Korea	KR 1003538510000 (abstract)	17-Jan-02	Elec. & Telecomm. Research Institute

**OTHER DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Other Documents
/JP/		Hsu et al., "A Low Bit-Rate Video Codec Based on Two-Dimensional Mesh Motion Compensation with Adaptive Interpolation," IEEE, Transactions on Circuits and Systems for Video Technology, Vol. II, No. 1, pp. 111-117 (January 2001).
JP	12/14 01	ISO/IEC, "Coding of Moving Pictures and Associated Audio Information," JTC1/SC29/WG11, MPEG-4 Video Verification Model (February 1998).
JP	11	"ITU-T Recommendation T.6: Facsimile Coding Schemes and Coding Control Functions for Group 4 Facsimile Apparatus," Facile VII.3 of the Blue Book, (1988).
/JP/		Sjoberg et al., "Run-length Coding of Skipped Macroblocks," ITU-T SG16/Q.6 VCEG-M57, pp. 1-5 (April 2001)

EXAMINER SIGNATURE:  /Jayesh Patel/	DATE CONSIDERED:  06/18/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	3382-66128-01
	Application Number	10/622,284
	Filing Date	July 18, 2003
	First Named Inventor	Hsu
	Art Unit	2621
	Examiner Name	Jose L. Couso

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		4,661,849	04/28/1987	Hinman
/JP/		4,661,853	04/28/1987	Roeder et al.
/JP/		4,695,882	09/22/1987	Wada et al.
/JP/		4,862,267	08/29/1989	Gillard et al.
/JP/		4,864,393	09/05/1989	Harradine et al.
/JP/		5,103,306	04/07/1992	Weirman et al.
/JP/		5,175,618	12/29/1992	Ueda
/JP/		5,223,949	06/29/1993	Honjo
/JP/		5,298,991	03/29/1994	Yagasaki et al.
/JP/		5,412,430	05/02/1995	Nagata
/JP/		5,424,779	06/13/1995	Odaka
/JP/		5,428,396	06/27/1995	Yagasaki
/JP/		5,442,400	08/15/1995	Sun
/JP/		5,467,136	11/14/1995	Odaka
/JP/		5,477,272	12/19/1995	Zhang
/JP/		5,565,922	10/15/1996	Krause
/JP/		5,594,504	01/14/1997	Ebrahimi
/JP/		5,623,311	04/22/1997	Phillips et al.
/JP/		5,659,365	08/19/1997	Wilkinson
/JP/		5,692,063	11/25/1997	Lee et al.
/JP/		5,699,476	12/16/1997	Van Der Meer
/JP/		5,701,164	12/23/1997	Kato

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
------------------------	----------------	---------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	3382-66128-01
Application Number	10/622,284
Filing Date	July 18, 2003
First Named Inventor	Hsu
Art Unit	2621
Examiner Name	Jose L. Couso

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		5,784,175	07/21/1998	Lee
/JP/		5,787,203	07/28/1998	Lee et al.
/JP/		5,796,855	08/18/1998	Lee
/JP/		5,799,113	08/25/1998	Lee
/JP/		5,825,929	10/20/1998	Chen et al.
/JP/		5,844,613	12/01/1998	Chaddha
/JP/		5,847,776	12/08/1998	Khmelnitsky
/JP/		5,874,995	02/23/1999	Naimpally et al.
/JP/		5,901,248	05/04/1999	Fandrianto et al.
/JP/		5,946,042	08/31/1999	Kato
/JP/		5,949,489	09/07/1999	Nishikawa et al.
/JP/		5,959,673	09/28/1999	Lee
/JP/		5,963,258	10/05/1999	Nishikawa et al.
/JP/		5,963,673	10/05/1999	Kodama et al.
/JP/		5,970,173	10/19/1999	Lee et al.
/JP/		5,970,175	10/19/1999	Nishikawa et al.
/JP/		5,973,743	10/26/1999	Han
/JP/		5,973,755	10/26/1999	Gabriel
/JP/		5,929,940	07/27/1999	Jeannin
/JP/		5,982,438	11/09/1999	Lin et al.
/JP/		5,990,960	11/23/1999	Murakami et al.
/JP/		5,991,447	11/23/1999	Eifrig et al.

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
---------------------	----------------	------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		6,002,439	12/14/1999	Murakami et al.
/JP/		6,005,980	12/21/1999	Eifrig et al.
/JP/		6,011,596	02/04/2000	Burl
/JP/		6,026,195	02/15/2000	Eifrig et al.
/JP/		6,040,863	03/21/2000	Kato
/JP/		6,067,322	05/23/2000	Wang
/JP/		6,094,225	07/25/2000	Han
/JP/		6,097,759	08/01/2000	Murakami et al.
/JP/		6,130,963	10/10/2000	Uz et al.
/JP/		6,188,725	02/13/2001	Sugiyama
/JP/		6,188,794	02/13/2001	Nishikawa et al.
/JP/		6,201,927	03/13/2001	Comer
/JP/		6,205,176	03/20/2001	Sugiyama
/JP/		6,219,070	04/17/2001	Baker et al.
/JP/		6,219,464	04/17/2001	Greggian et al.
/JP/		6,233,017	05/15/2001	Chaddha
/JP/		6,243,418	06/05/2001	Kim
/JP/		6,263,024	07/17/2001	Matsumoto
/JP/		6,271,885	08/07/2001	Sugiyama
/JP/		6,281,942	08/28/2001	Wang
/JP/		6,282,243	08/28/2001	Kazui et al.
/JP/		6,295,376	09/25/2001	Nakaya

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
------------------------	----------------	---------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	3382-66128-01
Application Number	10/622,284
Filing Date	July 18, 2003
First Named Inventor	Hsu
Art Unit	2621
Examiner Name	Jose L. Couso

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		6,307,887	10/23/2001	Gabriel
/JP/		6,307,973	10/23/2001	Nishikawa et al.
/JP/		6,320,593	11/20/2001	Sachs et al.
/JP/		6,324,216	11/27/2001	Igarashi
/JP/		6,337,881	01/08/2002	Chaddha
/JP/		6,377,628	04/23/2002	Schultz et al.
/JP/		6,381,279	04/30/2002	Taubman
/JP/		6,404,813	06/11/2002	Haskell et al.
/JP/		6,418,166	07/09/2002	Wu et al.
/JP/		6,430,316	08/06/2002	Wilkinson
/JP/		6,441,842	08/27/2002	Fandrianto et al.
/JP/		6,529,632	03/04/2003	Nakaya et al.
/JP/		6,539,056	03/25/2003	Sato et al.
/JP/		6,647,061	11/11/2003	Panusopone et al.
/JP/		6,650,781	11/18/2003	Nakaya
/JP/		6,728,317	04/27/2004	Demos
/JP/		RE 34,965	06/13/1995	Sugiyama
/JP/		RE 35,093	11/21/1995	Wang et al.
/JP/		RE 35,158	02/20/1996	Sugiyama
/JP/		RE 35,910	09/29/1998	Nagata et al.
/JP/		RE 36,507	01/18/2000	Iu
/JP/		RE 36,822	08/15/2000	Sugiyama

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
---------------------	----------------	------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/JP/		RE 37,222	06/12/2001	Yonemitsu
/JP/		20020186890	12/12/2002	Lee et al.
/JP/		20030099292	05/29/2003	Wang et al.
/JP/		20030112864	06/19/2003	Karczewicz et al.
/JP/		20030142748	07/31/2003	Tourapis
/JP/		20030152146	08/14/2003	Lin et al.
/JP/		20030156646	08/21/2003	Hsu et al.
/JP/		20050013497	01/20/2005	Hsu et al.
/JP/		20050013498	01/20/2005	Srinivasan
/JP/		20050036759	02/17/2005	Lin et al.
/JP/		20050100093	05/12/2005	Holcomb
/JP/		20060013307	01/19/2006	Olivier et al.
Examiner's Initials*	Cite No. (optional)	Number	Filing Date	Name of Applicant or Patentee
/JP/		60/341,674	12/17/2001	Lee et al.

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/JP/		EP	0397402	11/14/1990	Matsushita Electric Ind.
/JP/		EP	0526163	02/03/1993	Matsushita Electric Ind.

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/JP/		EP	0535746	04/07/1993	Philips Electronics UK, Ltd.
/JP/		EP	0863675	09/09/1998	Gen. Instrument Corp.
/JP/		EP	0884912	12/16/1998	Hitachi Ltd.
/JP/		GB	2,343,579	05/10/2000	IBM
/JP/		JP	62 213 494	09/19/1987	Kokusai Denshin Denwa
/JP/		JP	6 078 298	03/18/1994	Kokusai Denshin Denwa
/JP/		JP	10 056 644	02/24/1998	Matsushita Electric Ind.
/JP/		JP	3 129 986 (abstract)	03/06/1991	Sony Corp.
/JP/		PCT	WO 00/33581	08/06/2000	Microsoft Corp.
/JP/		PCT	WO 03/026296	03/27/2003	Nokia Corp.

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/JP/		Bartkowiak et al., "Color Video Compression Based on Chrominance Vector Quantization," <i>7th Int'l Workshop on Systems, Signals and Image Processing, IWSSIP 2000</i> , Maribor 7-9 VI, pp. 107-110 (2000).
/JP/		Benzler et al., "Improving multiresolution motion compensating hybrid coding by drift reduction," <i>Picture Coding Symposium</i> , 4 pp. (1996).
/JP/		Benzler et al., "Motion and aliasing compensating prediction with quarter-pel accuracy and adaptive overlapping blocks as proposal for MPEG-4 tool evaluation - Technical description," ISO/IEC JTC1/SC29/WG11, MPEG 95/0552, 5 pp., document marked 1995.
/JP/		Benzler, "Results of core experiment P8 (Motion an Aliasing compensating Prediction)," ISO/IEC JTC1/SC29/WG11, MPEG97/2625, 8 pp., document marked 1997.

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
---------------------	----------------	---------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso
Examiner's Initials*	Cite No. (optional)	<b>OTHER DOCUMENTS</b>	
/JP/		Borman et al., "Block-matching Sub-pixel Motion Estimation from Noisy, Under-Sampled Frames -- an Empirical Performance Evaluation," <i>SPIE Visual Comm. &amp; Image Processing</i> , 10 pp. (1999).	
/JP/		Conklin et al., "Multi-resolution Motion Estimation," <i>Proc. ICASSP '97</i> , Munich, Germany, 4 pp. (1997).	
JP	12/14 07	Davis et al., "Equivalence of subpixel motion estimators based on optical flow and block matching," <i>Proc. IEEE Int'l Symposium on Computer Vision</i> , pp. 7-12 (1995).	
/JP/		de Haan et al., "Sub-pixel motion estimation with 3-D recursive search block-matching," <i>Signal Processing: Image Comm.</i> 6, pp. 229-239 (1994).	
/JP/		Ebrahimi, "MPEG-4 Video Verification Model Version 10.0," ISO/IEC JTC1/SC29/WG11, MPEG98/N1992, pp. 1, 43-52, 72-74, 123-130, and 190, document marked 1998.	
/JP/		Ericsson, "Fixed and Adaptive Predictors for Hybrid Predictive/Transform Coding," <i>IEEE Transactions on Comm.</i> , vol. COM-33, no. 12, pp. 1291-1302 (1985).	
/JP/		Flierl et al., "Multihypothesis Motion Estimation for Video Coding," <i>Proc. DCC</i> , 10 pp. (March 2001).	
/JP/		Girod, "Efficiency Analysis of Multihypothesis Motion-Compensated Prediction for Video Coding," <i>IEEE Transactions on Image Processing</i> , Vol. 9, No. 2, pp. 173-183 (February 2000).	
JP	12/14 07	Girod, "Motion-Compensating Prediction with Fractional-Pel Accuracy," <i>IEEE Transactions on Comm.</i> , vol. 41, no. 4, pp. 604-612 (1993).	
JP	12/14 07	Girod, "Motion Compensation: Visual Aspects, Accuracy, and Fundamental Limits," <i>Motion Analysis and Image Sequence Processing</i> , Kluwer Academic Publishers, pp. 125-152 (1993).	
/JP/		Horn et al., "Estimation of Motion Vector Fields for Multiscale Motion Compensation," <i>Proc. Picture Coding Symp. (PCS 97)</i> , pp. 141-144 (Sept. 1997).	
/JP/		ITU - Q15-F-24, "MVC Video Codec - Proposal for H.26L," Study Group 16, Video Coding Experts Group (Question 15), 28 pp. (document marked as generated in 1998).	
/JP/		Iwahashi et al., "A Motion Compensation Technique for Downscaled Pictures in Layered Coding," <i>IEICE Transactions on Comm.</i> , vol. E77-B, no. 8, pp. 1007-1012 (Aug. 1994).	
/JP/		Keys, "Cubic Convolution Interpolation for Digital Image Processing," <i>IEEE Transactions on Acoustics, Speech &amp; Signal Processing</i> , vol. ASSP-29, no. 6, pp. 1153-1160 (1981).	

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso

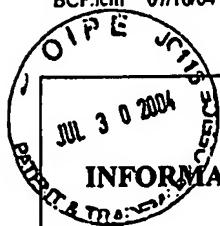
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/JP/		Konrad et al., "On Motion Modeling and Estimation for Very Low Bit Rate Video Coding," <i>Visual Comm. &amp; Image Processing (VCIP '95)</i> , 12 pp. (May 1995).
/JP/		Lopes et al., "Analysis of Spatial Transform Motion Estimation with Overlapped Compensation and Fractional-pixel Accuracy," <i>IEEE Proc. Visual Image Signal Processing</i> , vol. 146, no. 6, pp. 339-344 (Dec. 1999).
/JP/		Microsoft Corp., "Microsoft Debuts New Windows Media Player 9 Series, Redefining Digital Media on the PC," 4 pp. (document marked September 4, 2002) [Downloaded from the World Wide Web on May 14, 2004].
/JP/		Morimoto et al., "Fast Electronic Digital Image Stabilization," <i>Proc. ICPR</i> , Vienna, Austria, 5 pp. (1996).
JP	12/14 07	"Overview of MPEG-2 Test Model 5," 5 pp. [Downloaded from the World Wide Web on March 1, 2006].
/JP/		Reader, "History of MPEG Video Compression – Ver. 4.0," 99 pp., (document marked December 16, 2003).
/JP/		Ribas-Corbera et al., "On the Optimal Block Size for Block-based Motion-Compensated Video Coders," <i>SPIE Proc. of Visual Comm. &amp; Image Processing</i> , vol. 3024, 12 pp. (1997).
/JP/		Ribas-Corbera et al., "On the Optimal Motion Vector Accuracy for Block-based Motion-Compensated Video Coders," <i>Proc. SPIE Digital Video Compression</i> , San Jose, CA, 13 pp. (1996).
/JP/		Schultz et al., "Subpixel Motion Estimation for Super-Resolution Image Sequence Enhancement," <i>Journal of Visual Comm. &amp; Image Representation</i> , vol. 9, no. 1, pp. 38-50 (March 1998).
JP	12/14 07	"The TML Project WEB-Page and Archive" (including pages of code marked "image.cpp for H.26L decoder, Copyright 1999" and "image.c"), 24 pp. [Downloaded from the World Wide Web on June 1, 2005].
/JP/		Triggs, "Empirical Filter Estimation for Subpixel Interpolation and Matching," <i>Int'l Conf. Computer Vision '01</i> , Vancouver, Canada, 8 pp. (July 2001).
/JP/		Triggs, "Optimal Filters for Subpixel Interpolation and Matching," <i>Int'l Conf. Computer Vision '01</i> , Vancouver, Canada, 10 pp. (July 2001).
/JP/		"Video Coding Using Wavelet Decomposition for Very Low Bit-rate Networks," 16 pp. (1997).
/JP/		Wang et al., "Interlace Coding Tools for H.26L Video Coding," ITU-T SG16/Q.6 VCEG-O37, pp. 1-20 (Dec. 2001)

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66128-01
		Application Number	10/622,284
		Filing Date	July 18, 2003
		First Named Inventor	Hsu
		Art Unit	2621
		Examiner Name	Jose L. Couso

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/JP/		Weiss et al., "Real Time Implementation of Subpixel Motion Estimation for Broadcast Applications," pp. 7/1-7/3 (1990).
/JP/		Wu et al., "Joint estimation of forward and backward motion vectors for interpolative prediction of video," <i>IEEE Transactions on Image Processing</i> , vol. 3, no. 5, pp. 684-687 (Sept. 1994).
/JP/		Yang et al., "Very High Efficiency VLSI Chip-pair for Full Search Block Matching with Fractional Precision," <i>Proc. ICASSP/IEEE Int'l Conf. on Acoustics, Speech &amp; Signal Processing</i> , Glasgow, pp. 2437-2440 (May 1989).
/JP/		Yu et al., "Two-Dimensional Motion Vector Coding for Low Bitrate Videophone Applications," <i>Proc. Int'l Conf. on Image Processing</i> , Los Alamitos, US, pp. 414-417, IEEE Comp. Soc. Press (1995).
/JP/		Zhang et al., "Adaptive Field/Frame Selection for High Compression Coding," MERL TR-2003-29, 13 pp. (Jan. 2003)
JP	12/14 07	Printouts of FTP directories from <a href="http://ftp3.itu.ch">http://ftp3.itu.ch</a> , 8 pp. (downloaded from the World Wide Web on September 20, 2005.)

EXAMINER SIGNATURE:	/Jayesh Patel/	DATE CONSIDERED:	06/19/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Attorney Docket Number</b>	3382-66128-01
		<b>Application Number</b>	10/622,284
		<b>Filing Date</b>	July 18, 2003
		<b>First Named Inventor</b>	Hsu
		<b>Art Unit</b>	2621
		<b>Examiner Name</b>	To be assigned
<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>OTHER DOCUMENTS</b>	
/JP/		Mook, "Next-Gen Windows Media Player Leaks to the Web," <i>BetaNews</i> , 17 pp. (July 19, 2002) [Downloaded from the World Wide Web on August 8, 2003].	
/JP/		ITU-T, "ITU-T Recommendation H.261: Video Codec for Audiovisual Services at p x 64 kbits," 28 pp. (1993).	
JP	12/14/07	ITU-T, "ITU-T Recommendation H.262: Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Videol," 218 pp. (1995).	
		ITU-T, "ITU-T Recommendation H.263: Video Coding for Low Bit Rate Communication," 167 pp. (1998).	
		ISO/IEC, "ISO/IEC 11172-2: Information Technology - Coding of Moving Pictures and Associated Audio for Storage Media at up to About 1,5 Mbit/s," 122 pp. (1993).	
		ISO/IEC, "Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2, Committee Draft," 330 pp. (1998).	
JP	12/14/07	Joint Video Team of ISO/IEC MPEG and ITU-T VCEG, "Committee Draft of Joint Video Specification (ITU-T Recommendation H.264, ISO/IEC 14496-10 AVC," 142 pp. (August 2002).	

<b>EXAMINER SIGNATURE:</b>	/Jayesh Patel/	<b>DATE CONSIDERED:</b>	06/18/2007
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.			